

# ***USER'S MANUAL***

**Thank you for purchasing portable DVR from our company.  
In order to help you operate it correctly. Please read this user's  
manual carefully before using.**

## Appearance of DVR



- ① Power Button:  
Short press used for starting up or Opening menu,  
Long press used for Shutting down DVR.  
Short press: press button not more than 2 seconds.  
Long press: press button for more than 2 seconds.
- ② Video Button:  
Short press used for Video or entering next option.
- ③ OK Button:  
Short press used for “Select/Play/Pause”,  
Long press used for changing work mode between video mode and playback mode.
- ④ Snapshot Button:  
Short press used for snapshot or entering last option.
- ⑤ Lens
- ⑥ 2.0-inch TFT Panel
- ⑦ Reset Button:
- ⑧ Speaker
- ⑨ USB Port
- ⑩ TF Card Slot

## **DVR Description**

### **Power supply:**

- Use build-in rechargeable lithium battery.

You need to press the **power button** to start DVR, when you want to work with build-in lithium battery.

“**LOW BATTERY**” is displayed before shutting down when the build-in lithium battery is lack of electricity.

You can use the car charger or USB power supply to charge the lithium battery.

- Use external DC 5V power supply:

Whether the car charger (make sure it is DC 5V output) or USB power supply can be used.

DVR automatically starts recording when it is connected to the power cable.

When you remove the power cable, DVR will automatically shut down after 10 seconds.

### **Working mode:**

DVR has three working mode: video mode, snapshot mode and playback mode. You can choose anyone as you like.

After pressing the **power button** or connecting to the power cable, DVR will work in video mode. You can press power button for more than two seconds to shutdown DVR in any working mode.

(Note: Please insert TF card before using, or else have been prompted to "NO CARD" word)

- Video mode:

When DVR is working in video mode:

1. Press **snapshot button** to enter snapshot mode.
2. Press **OK button** for more than two seconds to enter playback mode.
3. Press **video button** to start recording if DVR is not in recording, and press **video button** again to stop recording.
4. Press **power button** less than two seconds to open **VIDEO menu** while DVR is not in recording.

- Snapshot mode:

When DVR is working in snapshot mode:

1. Press **video button** to enter video mode.
2. Press **OK button** for more than two seconds to enter playback mode.
3. Press **snapshot button** to take a picture if the TF card is inserted.
4. Press **power button** less than two seconds to open **CAPTURE menu**.

- Playback mode:

When DVR is working in playback mode:

1. Press video button to preview next film/picture.
2. Press snapshot button to preview last film/picture.
3. Press OK button less than two seconds to play/stop current film.
4. Press OK button for more than two seconds to enter video mode.
5. Press Power button less than two seconds to if DVR is not in playing films.

## DVR Settings Menu Functions

Parameter setting description:

In one of the working modes, you can press **power button** to show corresponding menu and items setting. Secondly press **power button** to show setup menu. Thirdly press **power button** to close menu.

When menu is open:

1. **Video button** is used to select next item.
2. **OK button** is used to enter current item setting or select the item function.
3. **Snapshot button** is used to select last item.

The following content introduce all items functions.

- Video Menu:

- Image Size: select a video resolution of 1280 \* 720 (HD), 640 \* 480 (VGA) pixels.



- Motion Detection: Cancel / On.

When you select "On", the picture changes if the DVR front, the machine will automatically start recording.



- Time stamp: Off / Date Only / Date and Time

When you select "Off", the video file does not display the recorded date

When you select "Date Only", the video only shows the current time of the shooting year - month - day.

When you select "Date and time", the video file to display the captured year - month - day - hours - minutes - seconds.



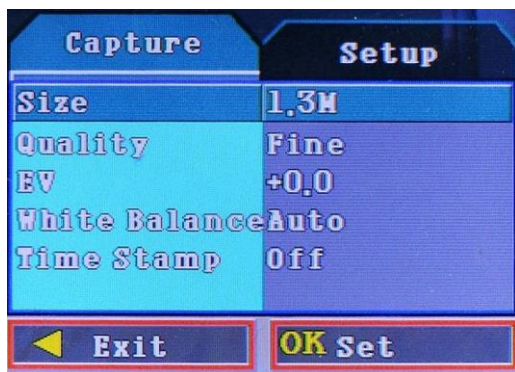
- Audio switch: Off/ On

When you select "Off" when, DVR photography will no longer be recorded.

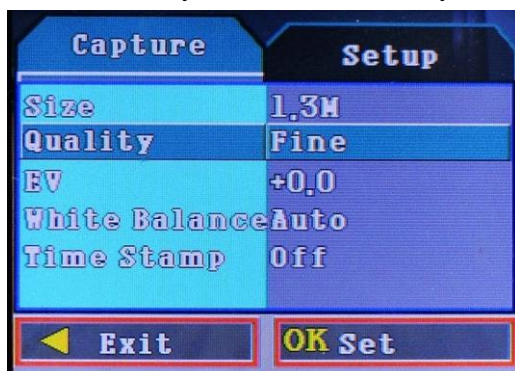




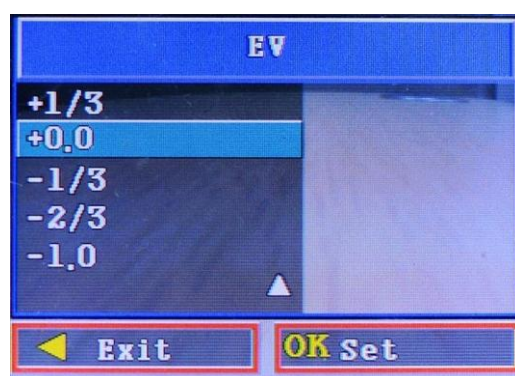
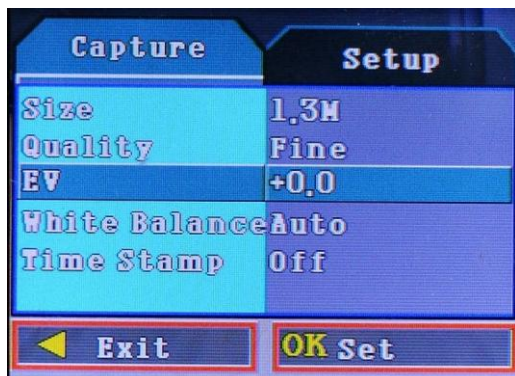
- Capture mode -> capture:
  - Image size: 1.3M/VGA.



- Quality : Fine/Stand/Economy.



- EV(Exposure Values) : +1/3 +0.0 -1/3 -2/3 -1.0  
You can according to need to modify exposure value.



- White Balance :Auto /Daylight /Cloudy /Tungsten /Fluorescent

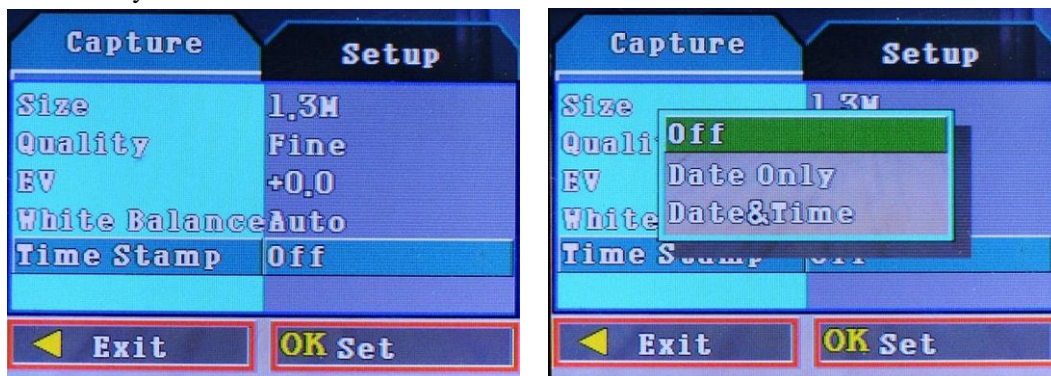


- Time mark: OFF / Date / Date and Time

When you select "Off", the camera does not display the picture taken date.

When you select "Date", the camera's image only shows the time of the shooting year - month - day.

When you select "Date and time", the picture shows photographs taken year - month - day - hours - minutes - seconds



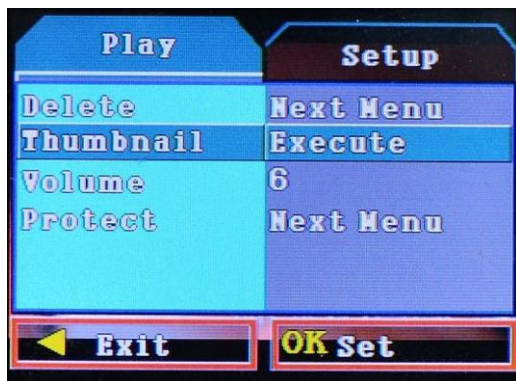
- Play mode -> Playback:

- Delete: Single / All / Select

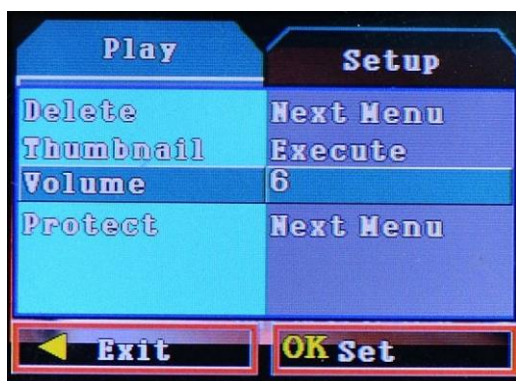




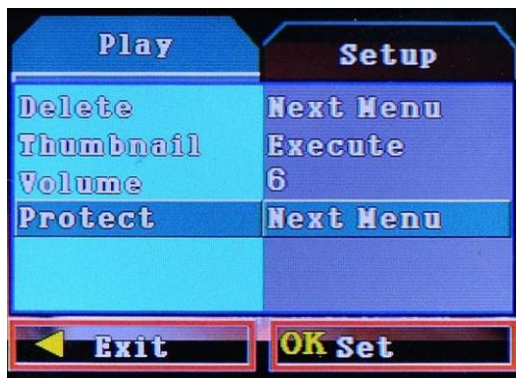
○ Thumbnail: Executive



○ Volume:1-8 volume



○ Protection: Single / All / Select

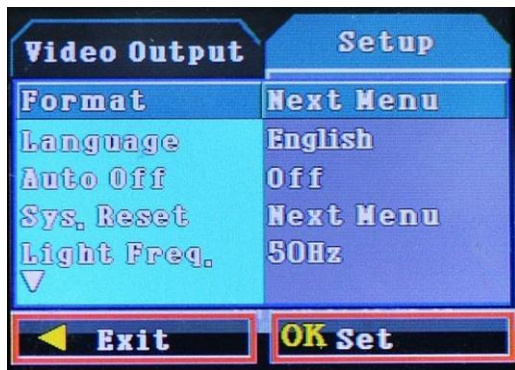




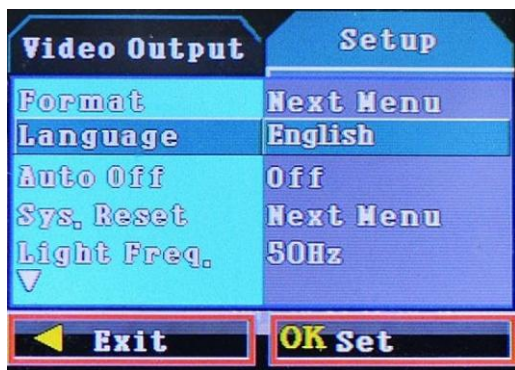
- Set: In any mode, continuously press the Menu key twice to enter the setup menu

- Format: Cancel / Execute.

When you select "Execute", the machine will format the card slot of TF card.



- Language: Portuguese / Traditional Chinese / Simplified Chinese / Japanese / Русский / English / Francais / 한글.



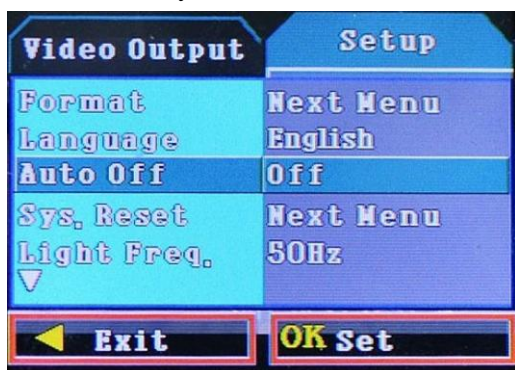
- Auto power off: 1 minute / 3 / min 5 min / off

When you select a time-sharing, power one minute, the device automatically turns off.

When 3 points prior to start three minutes later, the device automatically turns off.

When 5-sharing, power-five minutes later, the device automatically turns off.

When you select "Off", the device automatically shut off.

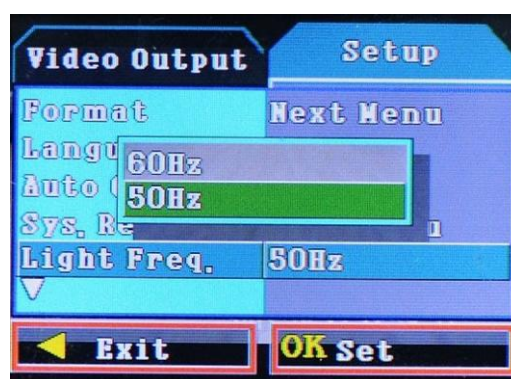
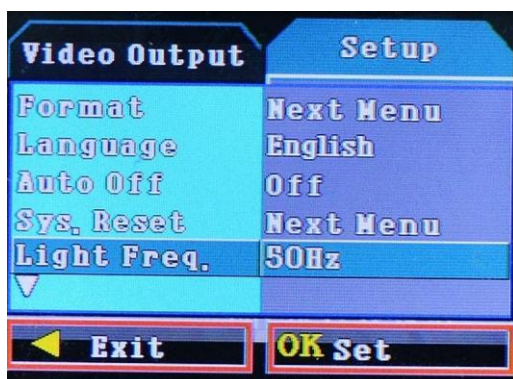


- Reset the system: Cancel / Executive

Select "Execute" the machine will restore the factory settings.

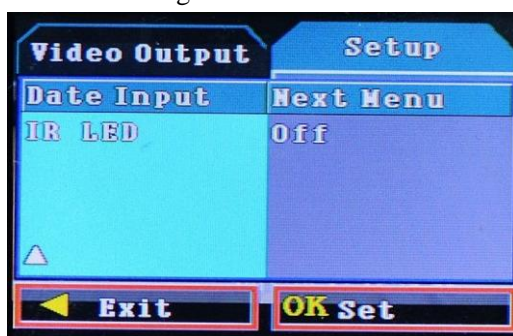


- Optical frequency: 50HZ/60HZ.



- The Date setting: Off / Set

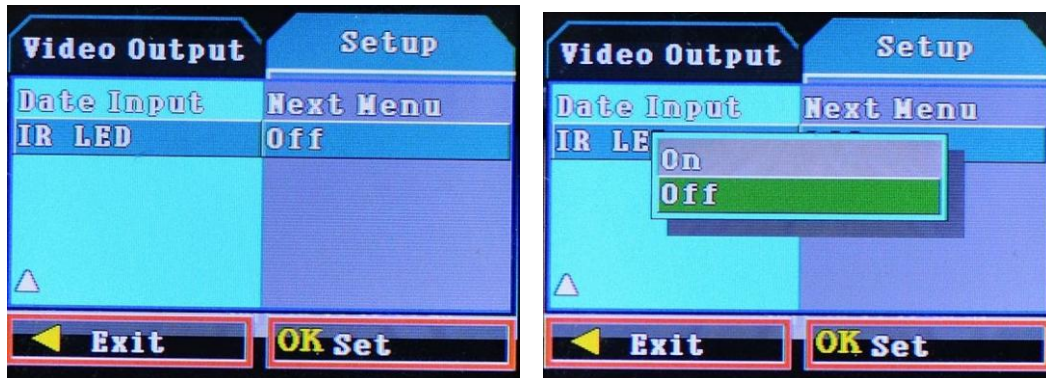
When you select the "Settings", press the OK button ③ to enter, select Settings time format of the cursor, hold down the ① mode button to switch cursor, hold down the ② page up key or ④page down key can change the time, press the OK button ③save settings on exit.





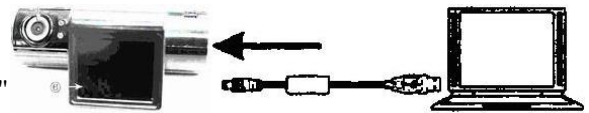
- IR LED: On / Off

When you select "On", the lighting is dark, light up automatically.



## Download

- Connect the USB cable to the computer and DVR.
- Computer "My Computer" will be a "Removable Disk."
- DCIM/100DSIM folder download the file.



## Note

- In the video before you insert the TF card.
- The camera in video mode can automatically loop recording, when the TF card storage is full, the camera automatically from the TF card to start recording the first part of the content, and the first photograph covering the original file.

**(Note: In order to avoid all of the original photo files deleted in its entirety, save the file is about 2 minutes or so for a section, when the TF card storage is full and sometimes re-recording each of the original photo files will be overwritten).**

- When the battery is low, DVR display "low battery", the display left corner of the battery symbol flashes.
- When using this product due to improper operation caused by the phenomenon of death, and then press the ⑦reset button, the machine will return to normal.

## Accessories

- User Manual
- Support slot
- USB cable
- Audio output cable
- Lithium battery
- Power cable (built-in 24/12V converter output voltage 5V cut)



## **Technical Parameters**

Video recording resolution	VGA / HD (1280x720), archived in AVI format
Capture mode	1.3M/VGA, in JPG format archive
Optional language	1) English 2) French 3) German 4) Italian 5) Spanish 6) Portuguese 7) Traditional Chinese 8) Simplified Chinese 9) Japanese 10) Russian 11) Korean
Optical frequency	50HZ/60HZ
Seamless video	Video file time difference between less than 1 second
Built-in 1 / 4 inch low-noise high-quality optical components salty	
Built-in recording function while charging side	
Motion detection recording function	
Loop recording function, automatically delete the old file and record a new file	
DVR automatically starts recording when the car is start-up. When the car is off, DVR will automatically shut down after 10 seconds.	

<http://www.spycameras.com>